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magnetism, a joyous appreciation of refined humor, and was constantly in demand as a lecturer. In the class-room he displayed exceptional power to arouse enthusiasm. He was tactful and of judicial temper, a man inspired with the highest ideals in the conduct of life and possessed of unfailing patience, of great tenderness of heart and kindness of spirit. He was beloved alike by colleagues and students.

Only a week ago, our friend was in the class-room. Because of the tragic swiftness of his passing—for just the other day he seemed to us but in the prime of bodily and mental vigor—a pregnant hush of introspection pervades the academic community. This afternoon his body was borne to his native city.

“Warte nur, balde  
Ruhest du auch.”

R. C. ARCHIBALD

BROWN UNIVERSITY,  
January 10, 1914

#### SCIENTIFIC NOTES AND NEWS

THE fourth annual award of the Willard Gibbs Medal, founded by Mr. William A. Converse, will be made by the Chicago Section of the American Chemical Society to Dr. Ira Remsen, of Johns Hopkins University. The previous recipients of this medal are Professor Svante Arrhenius, Professor Theodore W. Richards and Dr. Leo H. Baekeland. The formal presentation will be made to Dr. Remsen at the May meeting of the Chicago Section of the American Chemical Society. Dr. Remsen has formally signified his acceptance of this award. The jury of award which selected Dr. Remsen comprised Mr. William Brady, Mr. G. Thurnauer, Dr. E. C. Franklin, Dr. W. R. Whitney, Professor J. H. Long, Professor J. Stieglitz, Professor Alexander Smith, Professor W. A. Noyes, Mr. E. B. Bragg, Mr. S. T. Mather, Professor W. H. Walker and Professor T. W. Richards.

At the recent meeting of the American Physical Society at Atlanta, in connection with the American Association for the Advancement of Science, the following officers were elected for 1914: *President*, Ernest Mer-

ritt, of Cornell University; *Vice-president*, Karl E. Guthe, of the University of Michigan; *Secretary*, A. D. Cole, of the Ohio State University; *Treasurer*, J. S. Ames, of the Johns Hopkins University; *Members of Council*, G. K. Burgess, of the Bureau of Standards, and D. C. Miller, of the Case School of Science; *Managing Editor of Physical Review*, F. Bedell, of Cornell; *Editorial Board*, A. G. Webster, of Clark University, C. E. Mendenhall, of the University of Wisconsin, and H. A. Bumstead, of Yale University. The next two meetings of the Physical Society will be at Columbia University, New York, on February 28, and at the Bureau of Standards, Washington, on April 24 and 25.

DR. AUGUST WEISMANN, professor of zoology at Freiburg, celebrated on January 17 his eightieth birthday.

THE Imperial Society of the Friends of Natural History, Anthropology and Ethnology, of Moscow, have elected Professor W. M. Davis to permanent membership.

THE Imperial Academy of Sciences of St. Petersburg has elected Sir Edward Thorpe as a corresponding member.

PROFESSOR SILVANUS P. THOMPSON has been elected a corresponding member of the Academy of Sciences of Bologna.

PROFESSOR JOHANNES ORTH, head of the pathological laboratory at the University of Berlin, has been elected an honorary member of the London Institute of Hygiene.

DR. JOSEPH T. ROTHROCK, who is now seventy-four years old, has resigned as a member of the Pennsylvania State Forestry Board after serving for twenty years, in order to devote more time to private work.

OCTAVE CHANUTE medals have been awarded by the Western Society of Engineers for the best three papers presented during the year 1913 as follows: mechanical and electrical engineering, Mr. W. L. Abbott on “The Northwest Station of the Commonwealth Edison Company”; general engineering, Mr. Onward Bates on “Arbitration”; civil engineering, Mr. D. W. Mead on “The Cause of

Floods and the Factors that Influence Their Intensity."

MONTYON prizes, each of the value of \$500, have been given by the Paris Academy of Sciences to Mme. Lina Negri Luzzani, for her studies on the corpuscles discovered in the nervous system of rabid animals, to L. Ambard, for his memoir on renal secretion, and to MM. A. Raillet, G. Moussu and A. Henry, for their researches on distomatosis in ruminants. Awards of \$300 each have been made to M. Marquis, for his memoir on mercuric chloride in surgery, to M. Legrange, for his work on the treatment of chronic glaucoma, and to Fernand Bezançon and S. L. de Jong, for their treatise on the examination of sputa.

PROFESSOR W. E. CASTLE, of Harvard University, has been reappointed a research associate of the Carnegie Institution for a period of five years with an annual grant of \$2,500 in support of his researches in heredity. This is the third five-year appointment as research associate received by Professor Castle from the Carnegie Institution.

THE American Microscopical Society held only business meetings at Atlanta. Professor Charles Brookover, Little Rock, Arkansas, of the University of Arkansas Medical School, was elected president; Miss Margaret Ferguson, Wellesley College, first vice-president, and Dr. H. L. Shantz, Bureau of Plant Industry, Washington, D. C., second vice-president. T. W. Galloway, of Millikin University, was reelected secretary and editor of the *Transactions*. Mr. Magnus Pflaum, of Meadville, Pa., who has served the society so faithfully for years as its custodian and has built up the research fund to nearly \$5,000 was elected to honorary membership.

PROFESSOR CARLOS E. PORTER, director of the *Revista Chilena de Historia Natural* and professor of zoology and entomology at the Agricultural Institut of Chile, has been made vice-president, for 1914, of the Sociedad Científica de Chile and honorary professor of zoology at the Agricultural College of the University of Manaus (Brazil).

DR. T. A. JAGGAR, director of the observation station at Kilauea, Hawaii, has gone to Japan, to study the phenomena of the volcanic eruption on Sakura.

DR. J. B. JOHNSTON, professor of anatomy in the University of Minnesota, has sailed for Europe, on leave of absence for the second semester. He will return about September 1.

DR. OTIS WILLIAM CALDWELL, associate professor of botany in the School of Education and dean of University College at the University of Chicago, has been granted leave of absence during the next two months for a visit of inspection to the high schools and colleges of the south with reference to the teaching of science.

LLOYD W. STEPHENSON, of the United States Geological Survey, is to be at the University of California from January to June, 1914, as acting professor of paleontology, during the half year's absence of Professor J. C. Merriam, who is spending this semester preparing for the publication of some of the results of his collections from the pleistocene asphalt beds of Rancho LaBrea, near Los Angeles.

MRS. HUNTINGTON WILSON has established for the year 1914 a lectureship in eugenics, and has placed a fund of \$2,500 for the purpose in the care of the Eugenics Record Office of Cold Spring Harbor, N. Y. Mr. A. E. Hamilton, of Clark University, has been appointed to this lectureship and will be available for colleges, societies and clubs.

PROFESSOR GEORGE C. WHIPPLE, of Harvard University, delivered a lecture on "Relative Values in Sanitation" before the Science Club of the University of Wisconsin on January 22, 1914.

PROFESSOR ARTHUR H. BLANCHARD, in charge of the graduate course in highway engineering at Columbia University, on January 26 delivered illustrated lectures at the University of Illinois on the subjects: "Bituminous Surfaces and Bituminous Pavements" and "Modern Developments in Highway Engineering in Europe."

PROFESSOR GEO. GRANT MACCURDY, of Yale, delivered the fourth of the winter series of

public lectures under the auspices of the Pennsylvania State Museum and the Harrisburg Natural History Society at Harrisburg, Pa., on January 21, 1914. He lectured upon "The Antiquity of Man in the Light of Recent Discoveries."

DR. MAYVILLE W. TWITCHELL, the assistant state geologist of New Jersey, has just finished a course of five lectures on "The Geology of New Jersey" before the combined classes of the department of geology at Rutgers College.

PROFESSOR BALDWIN SPENCER lectured on January 27 before the Royal Anthropological Institute on the life of the Australian tribesmen. The lecture was illustrated by means of kinematograph films and phonograph records.

MR. ALEXANDER GEORGE MCADIE has been given the title Abbott Lawrence Rotch professor of meteorology, in memory of the late Professor Rotch.

A COMMITTEE has been formed to establish scholarships in memory of Lord Avebury at the University of London. The sum of \$15,000 has already been subscribed for this purpose.

THE centenary of the birth of Claude Bernard was celebrated at the Collège de France on December 30.

THE tablet unveiled at King's College by Lord Rayleigh on January 14 to the memory of Lord Lister bears the following inscription:

In affectionate and respectful memory of Joseph Baron Lister, F.R.S., O.M., professor of clinical surgery in King's College from 1877-1892, and for many years consulting surgeon to the King's College Hospital, member of the council and life governor of the college, this tablet is erected. His name will be handed down to posterity as the founder of antiseptic surgery, one of the greatest discoveries in history, and a source of inestimable benefit to mankind.

MR. W. D. MARKS, professor of mechanical engineering at the University of Pennsylvania from 1876 to 1887, later a consulting engineer in New York City, has died at the age of sixty-four years.

PROFESSOR AARON HODGMAN COLE, of the Chicago Normal School, known for his writings and lectures on biology, has died at the age of fifty-seven years.

THE death is announced of Dr. J. Schreiner, astronomer in the Potsdam Astrophysical Observatory.

THE late Edward Ginn has bequeathed \$800,000 for the World's Peace Foundation which he had established; Tufts College receives \$10,000 and one tenth the residue of his estate.

THE Swedish Antarctic committee, an association formed last year with Admiral Palander at its head, has planned an expedition which will start in the autumn of 1915. The cost of the expedition will be \$72,360.

DISPATCHES from Dr. Percival Lowell at his observatory at Flagstaff, Ariz., announce that he is using the forty-inch Clark reflecting telescope on Mars with full aperture. The definition he declares to be perfect, the canals being sharp lines.

AN organization dinner for the discussion of plans for the International Electrical Congress at San Francisco in September, 1915, is to be held at the Engineers' Club, New York City, Wednesday evening, February 25.

ARRANGEMENTS are being made for an exhibition of physical apparatus at the joint meeting of the American Physical Society and of the electrophysics committee of the American Institute of Electrical Engineers, to be held on April 24 and 25 at the Bureau of Standards, Washington. The opening of the new electrical building of the bureau will add interest to the occasion, and incidentally will furnish abundant room for a large exhibit of apparatus. It is hoped that designers and makers of apparatus will unite to make this a truly representative exhibition. Unfortunately expenses of transportation and mounting of exhibits must be borne by the exhibitors. The Bureau of Standards can give only a limited amount of help in mounting. Exhibits of any considerable size should be unpacked and mounted, and repacked and cared

for by the exhibitors. Any packages or boxes sent to the Bureau of Standards should be clearly marked "for Physical Society exhibit" and *prepaid*.

FORESTERS and lumbermen see in a decision of the Treasury Department in regard to the administration of the income tax a strong argument for forestry. As they interpret the opinion of the treasury officials they understand that no timberlands shall be subject to the tax until the lumber is cut and marketed and that then the profit only will be subject to an income tax assessment. In other words, all costs will be deducted before the tax is levied, and these will cover the cost of growing the timber, including the cost of planting where necessary and of protecting the growing crop from fire and other depredation. This decision was based upon a request for information made by P. S. Ridsdale, secretary of the American Forestry Association. He asked if there would be a tax on the value of the yearly growth of timber whether it was cut or not, and also whether an income tax would be assessed on the values of the timberland. In reply, the Treasury Department said that the gain from the cutting and disposal of stumpage is realized in the year during which the timber is cut and disposed of, and that the amount received in excess of the cost of such timber is profit, and should be so accounted for as income for that year.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE late Morrill Wyman, of Cambridge, has left to Harvard College \$50,000, to be used to promote good citizenship by the study of republican government. Further, one half of the residue of his estate, which is said to be large, is left to Harvard to establish a fund in memory of his father, to be known as the Morrill Wyman Medical Research Fund, to provide for the study of "the origin, results, prevention and treatment of disease." A further sum of \$50,000 will ultimately go to this fund. Another fourth of the residue of the estate is left to the Massachusetts Institute of Technology, to be used in aid of deserving and promising students.

THE gift of \$125,000 by an unknown friend for a children's department has now completed the fund of \$615,750 which has been raised for building a new teaching hospital for the University of California Medical Department. Among the other principal contributors are John M. Keith, of San Francisco, who has given \$150,000 in memory of his wife, and four members of the Crocker family, who have given \$150,000 in memory of George Crocker, himself the founder of the Crocker cancer research fund of Columbia University. The givers of the George Crocker fund are Mrs. Harriet F. Alexander, \$50,000; William H. Crocker, \$50,000; Charles Templeton Crocker, \$25,000, and Mrs. Malcolm Whitman, \$25,000.

THE University of Chicago will erect three new buildings this year at a cost of \$800,000. They are the women's gymnasium and club, the geology building and the classics building. Announcement has been made that building operations will be started so that cornerstones of the geology and classics buildings may be laid at the March convocation.

WITH the object of stimulating interest in scholarship among high school students of the community, four competitive scholarships have been established in Adelbert College of Western Reserve University.

THE sixth session of the graduate school of agriculture will be held at the College of Agriculture of the University of Missouri, beginning on June 29, 1914, and continuing four weeks. Only persons who have completed a college course and taken a bachelor's degree will be admitted to the privileges of the school, except that admission may be granted to non-graduates who are recommended by the faculties of the college with which they are associated as persons properly qualified to profit by advanced instruction in agriculture. The faculty will include leading scientific men and experts from the U. S. Department of Agriculture, the agricultural colleges and experiment stations, and other universities, colleges and scientific institutions in America and Europe.

MERRITT BERRY PRATT, now deputy supervisor of the Tahoe National Forest, has been